

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 October 2005 (20.10.2005)

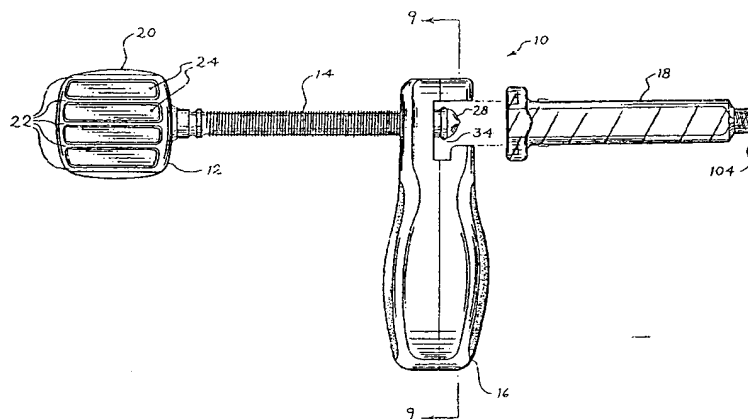
PCT

(10) International Publication Number
WO 2005/097239 A1

- (51) International Patent Classification⁷: A61M 5/315 47468 (US). BURTON, David [US/US]; 604 Glen Arbor Way, Bloomington, IN 47403 (US).
- (21) International Application Number: PCT/US2005/010036 (74) Agent: LE DUC, Timothy, J.; Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610 (US).
- (22) International Filing Date: 24 March 2005 (24.03.2005) (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/558,040 31 March 2004 (31.03.2004) US
- (71) Applicants (for all designated States except US): COOK INCORPORATED [US/US]; 750 N. Daniels Way, Bloomington, IN 47404 (US). SABIN CORPORATION [US/US]; P.O. Box 788, Bloomington, IN 47402 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DIXON, Chris, G. [US/US]; 1025 Graywell Drive, Bloomington, IN 47401 (US). PHILHOWER, Scott [US/US]; 1200 E. Winners Circle, Bloomington, IN 47401 (US). FRANKLAND, Gregory, A. [US/US]; 5801 Coyle Road, Unionville, IN
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: APPARATUS FOR AN IMPROVED HIGH PRESSURE MEDICINAL DISPENSER



(57) Abstract: An apparatus for an improved high pressure medicinal dispenser is disclosed. The high pressure dispenser may include a handle (26), a chamber (18), a threaded region, a threaded rod (14), and a knob (20). The high pressure dispenser may have at least one insert-molded component. A threaded insert providing the threaded region may be insert-molded into the handle or the threaded rod may be insert-molded into the knob, or both. The dispenser may have a handle made of hard plastic and overmolded soft rubber material. The dispenser also may have a ribbed knob having at least one longitudinal rectangular cavity. Furthermore, the dispenser may have a chamber that has an interior concave surface and an interior convex surface between the interior cylindrical surface of the chamber and a nozzle. The chamber may have at least one tab or notch dimensioned to engage with at least one corresponding notch or tab on the handle.

WO 2005/097239 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.